



INTERMODAL MATERIÉL
AND
NAUTICAL/NUCLEAR ANALYSIS
IMANNA
LABORATORY INC.

CERTIFICATION TEST REPORT

515 Gus Hipp Boulevard
Rockledge, Florida 32955
Telephone (321) 632-2008
http://www.imanna.com

Post Office Box 560933
Rockledge, Florida 32956-0933
FAX (321) 690-3360
E-mail: imannalab@bellsouth.net

CERTIFICATION TEST REPORT
17763-2
ABYC H-27 TEST
OF
THRU HULL LIGHT FITTINGS
FOR
OCEAN LED

CUSTOMER:

Ocean LED USA LLC
2015 SW 20th Street, Suite 210
Fort Lauderdale, FL 33315

MANUFACTURER
OF TEST ARTICLE: Ocean LED

REPORT NO.: 17763-2

IMANNA JOB NO.: 17763

CUSTOMER P.O. NO.: Verbal

DATE: July 17, 2007

CONTRACT:

PAGES IN REPORT: 4

STATE OF FLORIDA

ROBERT L. WHITE, being duly sworn, deposes and says: The information contained in this report is the result of complete and carefully conducted tests and is to the best of his knowledge true and correct in all respects.

Robert L. White

SUBSCRIBED and sworn to before me this 17th day of July, 2007

Marydel Kramer



Imanna shall have no liability for damages of any kind to person or property, including special or consequential damages resulting from Imanna's providing the service covered by the report.

IMANNA LABORATORY, Inc.

TEST BY

Robert L. White
PROJ. ENGINEER

1. TEST ARTICLE

Representative samples of the listed thru-hull light assemblies were received for test from Ocean LED LLC Underwater Lights.

2. PART NUMBERS

001-500104	001-500056	001-500061	001-500057
001-500058	001-500150	001-500151	001-500152

3. REQUIREMENTS

The requirements for this effort are to perform a mechanical strength test of the light assemblies per ABYC H-27 determine if the assembly will withstand a 500-pound static force applied for 30 seconds to the inboard end of its connection fitting without failure of the fitting assembly. The load is to be applied in the most vulnerable direction.

4. PROCEDURES

The thru-hull light assemblies were mounted on a 3/4" thick simulated boat hull section with the supplied mounting hardware to hold the assemblies in place. A load of 500 lbs. was applied to the inboard end with each assembly mounted securely on the simulated hull section.

5. RESULTS

The maximum load of 500 pounds was statically loaded on the end of the each of the light assemblies with the following results:

Part Number	force applied	duration of test	result	comments
001-500104	500 lbs	30 seconds	pass	
001-500056	500 lbs	30 seconds	pass	
001-500061	500 lbs	30 seconds	pass	
001-500057	500 lbs	30 seconds	pass	
001-500058	500 lbs	30 seconds	pass	
001-500150	500 lbs	30 seconds	pass	* rods bent no casing damage
001-500151	500 lbs	30 seconds	pass	* rods bent no casing damage
001-500152	500 lbs	30 seconds	pass	* rods bent no casing damage

* test conducted on ends of cooling rods and light casing

6. OBSERVATIONS AND COMMENTS

The values obtained and the conformances established thereby are applicable only to the test specimens identified above, as prepared and as tested. Equipment used in the performance of these tests was calibrated to standards traceable to the N.I.S.T.



520FM



1010TH



1520TH



2010TH



3010TH



1520FM



2010FM



3010FM